



Urinalysis

SECOND QUADRIMESTER 2011

Bilirubin

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Cole-Taylor	5				
Diag Test Group Clarity	4				
Hypoguard Diascreen	6				
Iris AX series	4				
Jant Accutest	9				
Mckesson MediLab 10SG	12				
PSS Consult	29				
PSS Select	26				
Roche Chemstrip 10 MD	40				
Roche Chemstrip 10 UA	82				
Roche Chemstrip 101	9				
Roche Chemstrip, Cobas	42				
Roche Criterion II	30				
Roche Urisys 1100	38	1			
Roche Urisys 1800, 2400	13				
Schein Urispec strips	10				
Siemens Clinitek 10	65	1			
Siemens Clinitek 100	73		1		
Siemens Clinitek 200	5				
Siemens Clinitek 50	142				
Siemens Clinitek 500	61				
Siemens Clinitek Advantus	43				
Siemens Clinitek Atlas	10				
Siemens Clinitek Status	382				2
Siemens Ictotest	4				
Siemens Reagent Strips	247	1	1	1	1
Total Population	1443	3	2	1	3
Flagging		****	****	****	****

Glucose

Name	Negative	50 - 100 mg/dL	150 mg/dL	500 mg/dL	750 mg/dL	1000 mg/dL	>1000 mg/dL
Cole-Taylor		2					
Diag Test Group Clarity				1			
Hypoguard Diascreen				2		3	
Jant Accutest		1	1	3		1	1
Mckesson MediLab 10SG				10			
PSS Consult				16		12	1
PSS Select		1		14	1	8	1
Roche Chemstrip 10 MD				2		20	19
Roche Chemstrip 10 UA	2			2	1	52	26
Roche Chemstrip 101				2			7
Roche Chemstrip 2 GP				1		4	1
Roche Chemstrip, Cobas	1			1	1	33	12
Roche Criterion II	1			2		19	6
Roche Urisys 1100		1		11		4	23
Roche Urisys 1800, 2400				2		11	
Schein Urispec strips				4	1		5
Siemens Clinitek 10	1	2		32		6	4
Siemens Clinitek 100	1	1	1	35	1	4	10
Siemens Clinitek 200, 200+		1		3			
Siemens Clinitek 50	1	2	1	74	1	4	34
Siemens Clinitek 500	2			35	1	3	
Siemens Clinitek Advantus			1	34		2	2
Siemens Clinitek Atlas				2		2	5
Siemens Clinitek Status	4	17	13	120	1	5	3
Siemens Reagent Strips	5	1	3	123	3	37	12
YD Diagnostics Uriscan				3		1	1
Total Population	18	30	22	547	12	241	180
Total Population	****	****					
Flagging							

Blood (Hemoglobin)

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)	~250 ery/ μ L
Cole-Taylor	5					
Diag Test Group Clarity	4					
Hypoguard Diascreen	5	2				
Iris AX series	4					
Jant Accutest	8	1				
Mckesson MediLab 10SG	12	1				
PSS Consult	29					
PSS Select	25	1				
Roche Chemstrip 10 MD	37	2				1
Roche Chemstrip 10 UA	74	7			1	
Roche Chemstrip 101	10					
Roche Chemstrip, Cobas	41	2			1	
Roche Criterion II	29					
Roche Urisys 1100	41					
Roche Urisys 1800, 2400	13					
Schein Urispec strips	7	1		1		
Siemens Clinitek 10	61	1		2		2
Siemens Clinitek 100	73	2				
Siemens Clinitek 200	4	1				
Siemens Clinitek 50	140	2				
Siemens Clinitek 500	60	1				1
Siemens Clinitek Advantus	46					
Siemens Clinitek Atlas	10					
Siemens Clinitek Status	376	20			2	
Siemens Reagent Strips	255	7	1			1
YD Diagnostics Uriscan	4					
YPC Uriscan			1			
Total Population	1421	51	2	3	5	5
Flagging		****	****	****	****	****

Ketones

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Cole-Taylor					5
Diag Test Group Clarity					4
Hypoguard Diascreen					6
Iris AX series			1		3
Jant Accutest		2		1	6
Mckesson MediLab 10SG					13
PSS Consult			1	3	25
PSS Select			1	2	23
Roche Chemstrip 10 MD			1		41
Roche Chemstrip 10 UA	1		2	1	78
Roche Chemstrip 101					9
Roche Chemstrip, Cobas			1	3	39
Roche Criterion II				1	27
Roche Urisys 1100			1	3	36
Roche Urisys 1800, 2400	1				12
Schein Urispec strips					9
Siemens Clinitek 10		1	1		64
Siemens Clinitek 100	1				74
Siemens Clinitek 200, 200+					5
Siemens Clinitek 50				1	142
Siemens Clinitek 500				3	59
Siemens Clinitek Advantus			1	3	43
Siemens Clinitek Atlas			1		9
Siemens Clinitek Status		2	6	9	377
Siemens Reagent Strips			5	1	257
Total Population	3	5	23	34	1415
Flagging	****	****			

Creatinine

Name	10 mg/dL	50 mg/dL	100 mg/dL	200 mg/dL	300 mg/dL
All automated chem	3				
Siemens Clinitek 10	3	1			
Siemens Clinitek 50	9	6	1		
Siemens Clinitek 500	2				
Siemens Clinitek Advantus	2				
Siemens Clinitek Status	14	21			
Total Population	40	29	1	1	
Flagging				****	****

Leukocyte Esterase

Name	Negative	Trace	Small (1+)	Moderate (2+)	Large (3+)
Cole-Taylor	1			4	
Diag Test Group Clarity				3	1
Hypoguard Diascreen					7
Iris AX series					4
Jant Accutest				7	2
Mckesson MediLab 10SG				9	4
PSS Consult			1	4	25
PSS Select				2	24
Roche Chemstrip 10 MD		1		22	19
Roche Chemstrip 10 UA			1	49	33
Roche Chemstrip 101				7	2
Roche Chemstrip, Cobas				37	6
Roche Criterion II				20	9
Roche Urisys 1100		1		22	17
Roche Urisys 1800, 2400				2	11
Schein Urispec strips					9
Siemens Clinitek 10	1		4	48	13
Siemens Clinitek 100		1	3	65	4
Siemens Clinitek 200,			1	3	1
Siemens Clinitek 50		3	33	84	24
Siemens Clinitek 500			4	54	2
Siemens Clinitek Advantus		1	1	43	2
Siemens Clinitek Atlas				1	9
Siemens Clinitek Status	2	2	112	148	134
Siemens Reagent Strips		2	14	198	32
YD Diagnostics Uriscan					4
Total Population	2	11	180	859	414
Flagging	*****	*****			

Nitrite - Urinalysis

Name	Negative	Positive
Cole-Taylor		5
Diag Test Group Clarity		4
Hypoguard Diascreen		6
Iris AX series		4
Jant Accutest		9
Mckesson MediLab 10SG		13
PSS Consult		30
PSS Select	1	25
Roche Chemstrip 10 MD		42
Roche Chemstrip 10 UA		83
Roche Chemstrip 101		9
Roche Chemstrip, Cobas		44
Roche Criterion II		29
Roche Urisys 1100	1	39
Roche Urisys 1800, 2400		13
Schein Urispec strips		9
Siemens Clinitek 10	2	64
Siemens Clinitek 100		74
Siemens Clinitek 200,		5
Siemens Clinitek 50	1	143
Siemens Clinitek 500	2	60
Siemens Clinitek Advantus		47
Siemens Clinitek Atlas		10
Siemens Clinitek Status	1	396
Siemens Reagent Strips	1	247
YD Diagnostics Uriscan		4
Total Population	10	1462
Flagging	*****	

pH - Urinalysis

Name	5.0	5.5	6.0	6.5	7.0	7.5
All automated chem			1	2		1
Cole-Taylor			1	2		
Diag Test Group Clarity	1		1	2		
Hypoguard Diascreen				6		
Iris AX series				4		
Jant Accutest	1		4	3	1	
Mckesson MediLab 10SG	2		2	2	6	
PSS Consult	2		10	15	3	
PSS Select			8	15	3	
Roche Chemstrip 10 MD	1		10	13	16	2
Roche Chemstrip 10 UA			38	32	12	1
Roche Chemstrip 101				6	3	
Roche Chemstrip, Cobas	1		12	22	8	
Roche Criterion II				18	11	
Roche Urisys 1100			2	27	10	
Roche Urisys 1800, 2400				8	5	
Schein Urispec strips			1	4	2	
Siemens Clinitek 10	4		4	31	25	2
Siemens Clinitek 100			2	3	55	15
Siemens Clinitek 200,					4	1
Siemens Clinitek 50	1	1		127	15	
Siemens Clinitek 500		1	5	42	14	
Siemens Clinitek Advantus		1	4	27	15	
Siemens Clinitek Atlas				7	3	
Siemens Clinitek Status			12	128	256	1
Siemens Reagent Strips	6		29	124	105	2
YD Diagnostics Uriscan			3		1	
Total Population	21	5	157	745	552	8
Flagging	*****	*****				*****

Protein

Name	Negative	15 (Trace)	30 (1+)	100 (2+)	>100 (2+)
Cole-Taylor	5				
Diag Test Group Clarity	3	1			
Hypoguard Diascreen	7				
Iris AX series	4				
Jant Accutest	9				
Mckesson MediLab 10SG	11	1	1		
PSS Consult	29	1			
PSS Select	26				
Roche Chemstrip 10 MD	42				
Roche Chemstrip 10 UA	78	2			
Roche Chemstrip 101	9				
Roche Chemstrip 2 GP	6				
Roche Chemstrip, Cobas	46			1	
Roche Criterion II	29				
Roche Urisys 1100	40				
Roche Urisys 1800, 2400	13				
Schein Urispec strips	10				
Siemens Clinitek 10	64	1			
Siemens Clinitek 100	73	1			
Siemens Clinitek 200, 200+	5				
Siemens Clinitek 50	144				
Siemens Clinitek 500	62				
Siemens Clinitek Advantus	47				
Siemens Clinitek Atlas	10				
Siemens Clinitek Status	393			1	1
Siemens Reagent Strips	267	8			
YD Diagnostics Uriscan	4	1			
Total Population	1488	16	4	2	1
Flagging	*****	*****	*****	*****	*****

Urobilinogen

Name	Negative	0.2 mg/dL	2.0 mg/dL	4.0 mg/dL	>8.0
Cole-Taylor	3	2			
Diag Test Group Clarity		4			
Hypoguard Diascreen	6				
Jant Accutest	6	2			
Mckesson MediLab 10SG	7	5			
PSS Consult	26	1			
PSS Select	22				
Roche Chemstrip 10 MD	33				
Roche Chemstrip 10 UA	63	3			
Roche Chemstrip 101	8				
Roche Chemstrip, Cobas	31	1			
Roche Criterion II	23	3			
Roche Urisys 1100	27	1			
Roche Urisys 1800, 2400	6	2			
Schein Urispec strips	7				
Siemens Clinitek 10	15	41	1		
Siemens Clinitek 100	2	48			
Siemens Clinitek 50	1	112			
Siemens Clinitek 500	1	39			
Siemens Clinitek Advantus		39			
Siemens Clinitek Atlas		9			
Siemens Clinitek Status	6	329	1	1	1
Siemens Reagent Strips	72	121			
Total Population	456	901	3	1	2
Flagging					

Due to a lack of participant consensus Urobilinogen was not evaluated this event.

The intended result was 2.0 mg/dL.

Urine Microscopics

Name	Negative	Flag	Positive	Flag	Would Refer	Flag
Crystals	245		64			1
Red Blood Cells	253		54	*****		1
White Blood Cells	245		62			1

Due to a lack of participant consensus Crystals and WBCs were not evaluated this event.

The intended results were negative.



PROFICIENCY TESTING SERVICE
AMERICAN ASSOCIATION OF BIOANALYSTS
 205 West Levee St. ♦ Brownsville, TX 78520-5596
 800-234-5315 ♦ 281-436-5357 ♦ Fax 713-781-5008

SECOND QUADRIMESTER 2011

Urinalysis - Specific Gravity

Name	Line No.	Range & Type	Mean	s.d.	No. of Labs
Initial Grouping by Method					
All refractometers	1	1.011 - 1.031	1.0208	0.0014	48
Jant Accutest	2	0.997 - 1.017	1.0073	0.0025	10
PSS Select	3	1.011 - 1.031	1.0212	0.0043	26
Roche Chemstrip, Cobas	4	1.003 - 1.023	1.0131	0.0031	29
Roche Chemstrip 10 UA	5	1.003 - 1.023	1.0133	0.0029	81
Roche Chemstrip 10 MD	6	1.004 - 1.024	1.0136	0.0036	41
Roche Criterion II	7	1.003 - 1.023	1.013	0.0025	28
Roche Urisys 1100	8	1.004 - 1.024	1.0137	0.0035	38
Roche Urisys 1800, 2400	9	1.005 - 1.025	1.0152	0.004	12
Siemens Clinitek 10	10	1.005 - 1.025	1.0149	0.0039	65
Siemens Clinitek 50	11	1.003 - 1.023	1.013	0.003	141
Siemens Clinitek 100	12	1.008 - 1.028	1.0182	0.0024	75
Siemens Clinitek 500	13	1.004 - 1.024	1.0144	0.0037	63
Siemens Clinitek Advantus	14	1.005 - 1.025	1.0149	0.0038	47
Siemens Clinitek Atlas	15	1.011 - 1.031	1.021	0.0027	10
Siemens Clinitek Status	16	1.008 - 1.028	1.0184	0.0027	391
Siemens Reagent Strips	17	1.004 - 1.024	1.0137	0.0036	233
Mckesson MediLab 10SG	18	1.009 - 1.029	1.0192	0.0067	13
PSS Consult	19	1.012 - 1.032	1.0218	0.0039	28
Initial Grouping by Sensitivity or Principle					
All direct physical methods	20	1.011 - 1.031	1.0209	0.0028	84
All strips	21	1.006 - 1.026	1.0156	0.0041	1353
Total Population					
Whole Population	22	1.006 - 1.026	1.0159	0.0042	1379

Correct responses are defined as those reflecting agreement among 80% or more of all participants.